

Title (en)

DNS NETWORK SYSTEM, AND DOMAIN NAME RESOLUTION METHOD AND SYSTEM

Title (de)

DNS-NETZWERKSYSTEM SOWIE DOMAINNAMENAUFBLÖSUNGSVERFAHREN UND SYSTEM

Title (fr)

SYSTÈME DE RÉSEAU DNS, ET PROCÉDÉ ET SYSTÈME DE RÉOLUTION DE NOM DE DOMAINE

Publication

EP 3389243 A4 20190508 (EN)

Application

EP 16908676 A 20161116

Priority

- CN 201610552767 A 20160714
- CN 2016106049 W 20161116

Abstract (en)

[origin: EP3389243A1] The present disclosure provides a DNS network system, and a domain-name parsing method and system. A local DNS server receives a domain-name parsing request from a client terminal a network operator in the same network and sends the domain-name parsing request to a root server; based on an NS record of an upper-level authoritative DNS server returned by the root server, sends the domain-name parsing request to the upper-level authoritative DNS server; based on an NS record of an external authorized server returned by the upper-level authoritative DNS server, sends the domain-name parsing request to the external authorized server; based on an A-record of a lower-level authoritative DNS server returned by the external authorized server, sends the domain-name parsing request to the lower-level authoritative DNS server and receives a domain-name parsing result sent by the lower-level authoritative DNS server.

IPC 8 full level

H04L 29/12 (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP US)

H04L 61/4511 (2022.05 - EP US); **H04L 61/4552** (2022.05 - EP US); **H04L 61/58** (2022.05 - US); **H04L 67/1021** (2013.01 - EP US); **H04L 67/568** (2022.05 - US)

Citation (search report)

- [XA] US 2011093522 A1 20110421 - CHEN LEE [US], et al
- [XI] US 2009164661 A1 20090625 - KIM JOOYONG [US], et al
- [X] EP 1207668 A2 20020522 - MICROSOFT CORP [US]
- See references of WO 2018010353A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3389243 A1 20181017; **EP 3389243 A4 20190508**; **EP 3389243 B1 20200909**; CN 107623751 A 20180123; CN 107623751 B 20210212; US 2020084177 A1 20200312; WO 2018010353 A1 20180118

DOCDB simple family (application)

EP 16908676 A 20161116; CN 201610552767 A 20160714; CN 2016106049 W 20161116; US 201615743472 A 20161116